UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

Chem. Comm - Shawnee
KSD980632962
Fed: 2.3
Other: EPA
10-17-89

Date: 10/17/89

MEMORANDUM

SUBJECT: Data Transmittal for Activity #: R0103
Site Description: Chemical Commodities

FROM: Andrea Jirka
Chief, Laboratory Branch, ENSV

TO: John R. Helvig
Acting Chief, Emergency Planning and Response Branch, ENSV

ATTN: M. Roberts

Attached is the data transmittal for the above referenced site. These data have met all quality assurance requirements unless indicated otherwise in the data package. This should be considered a ___ Partial or X Complete data transmittal (completes transmittal of _____). If you have any questions or comments, please contact Dee Simmons at 236-3881.

Attachments

cc: Data File

DATA REPORTING / QUALIFICATION CODES

U - The material was analyzed for, but was not detected. The associated numerical value is the sample detection limit.

J - The associated numerical value is an estimated quantity (explanation attached).

I - The data are invalid (compound may or may not be present). Resampling and/or reanalysis is necessary for verification.

N - Sample not analyzed.

CODES FOR FLASH POINT DATA

L - The sample did not ignite or "flash". This is the highest temperature at which the sample was tested. It is possible that the material may be ignitable at higher temperatures.

K - The sample did ignite or "flash" at the lowest temperature tested. This is usually the ambient temperature at the time of the test. It is possible that the material may be ignitable at even lower temperatures.

September 12, 1989

From: Robert Greenall, ANSV Section Chief Robert Greenall

To: Andrea Jirka, LABO Branch chief

Subject: R0103, EP Toxicity

The five hazardous waste samples from Chemical Commodities, series R0103, will not be analyzed for EP Toxicity. Total metals results for samples 2 through 5 were low. Sample number 1 contained high concentrations of chromium, but because the sample is a liquid, George Hess decided that the EP Toxicity test was unnecessary.

ICF Technology Incorporated
NSI Technology Services Corporation

25 Funston Rd.
Kansas City, KS 66101
(913) 236-3881

To: Robert Greenall
Task Monitor, Chief ANLT/LABO/ENSV/EPA VII

Thru: Harold Brown, Ph.D.
Deputy Project Officer for Region VII ESAT, EPA

From: Janet Muse JM
Chemist, ESAT, NSI-ES

Thru: Ron Ross
Region VII ESAT Manager, NSI-TSC-ES

Date: September 1, 1989

Subject: Case Narrative and Assignment Completion Report ..... Chemical Commodities
TID #: 07-8903-125
ICF Acct. #: 302-26-125-01
NSI Sales Order : 4632-1251
EPA Activity #: RO103
ESAT Document Control #: ESAT-VII-125-090189

ESAT was tasked to analyze 5 hazardous drum samples for total metals from the Chemical Commodities site, RO103.

Calibrations

All initial and continuing calibrations were within limits.

Matrix Spike

The recoveries for the matrix spike were between 80 - 110% for all the metals.

Method Standard

The recoveries for the method standard were between 77 - 100% for all the metals.

Method Blank

A method blank was analyzed along with the samples and was substracted from the sample results. No field and/or trip blank was submitted for analysis.

Summary

All detection limits were raised to five times the normal limit because only 1.0 g. of the sample was digested instead of 5 grams. All positive results below the five times normal detection limit were raised to this detection limit and U-coded.

This assignment is now complete and data sheets for the analysis are attached. If you have comments or any questions, please contact me at 236-3881, 7:30 a.m.- 4:00 p.m.

ANALYSIS TYPE: TOTAL METALS

TITLE: CHEMICAL COMMODITIES
LAB: EPA REGION VII
SAMPLE PREP: LW_____ ANALYST/ENTRY: JSM JM
MATRIX: HAZARDOUS
METHOD: 2001S77
REVIEWER: _____BD___
DATA FILE: JM1
UNITS: MG/KG
CASE:
DATE: 08/28/89

		R0103001	R0103002	R0103003	R0103004
SILVER	MG/KG	1.0U	1.0U	1.0U	1.0U
ALUMINUM	MG/KG	100.0	440.0	480.0	5.0U
ARSENIC	MG/KG	10.0U	10.0U	10.0U	10.0U
BARIUM	MG/KG	2.1	5.8	6.5	.50U
BERYLLIUM	MG/KG	.50U	.50U	.50U	.50U
CADMIUM	MG/KG	.50U	.50U	.64	.50U
COBALT	MG/KG	1.0U	1.0U	1.0U	1.0U
CHROMIUM	MG/KG	7600.0	11.0	12.0	1.0U
COPPER	MG/KG	7.9	3.1	4.1	1.0U
IRON	MG/KG	390.0	260.0	930.0	7.1
MANGANESE	MG/KG	3.1	4.7	8.1	.50U
MOLYBDENUM	MG/KG	1.0U	5.1	5.4	1.0U
NICKEL	MG/KG	3.4	6.2	7.0	2.0U
LEAD	MG/KG	21.0	1.0U	1.0U	1.0U
ANTIMONY	MG/KG	1.0U	1.0U	1.0U	1.0U
SELENIUM	MG/KG	10.0U	10.0U	10.0U	10.0U
TITANIUM	MG/KG	N/A	N/A	N/A	N/A
THALLIUM	MG/KG	30.0U	30.0U	30.0U	30.0U
VANADIUM	MG/KG	34.0	34.0	31.0	1.0U
ZINC	MG/KG	190.0	5.0	12.0	2.0U
CALCIUM	MG/KG	270.0	7200.0	7600.0	200.0U
MAGNESIUM	MG/KG	200.0U	210.0	220.0	200.0U
SODIUM	MG/KG	1500.0	1400.0	1300.0	200.0U
POTASSIUM	MG/KG	200.0U	200.0U	200.0U	200.0U

ANALYSIS TYPE: TOTAL METALS

TITLE: CHEMICAL COMMODITIES | MATRIX: HAZARDOUS | UNITS: MG/KG
LAB: EPA REGION VII | METHOD: 2001S77 | CASE:
SAMPLE PREP: LW | ANALYST/ENTRY: JSM JM | REVIEWER: DD | DATE: 08/28/89
DATA FILE: JM1

		R0103005
SILVER	MG/KG	1.0U
ALUMINUM	MG/KG	5.0U
ARSENIC	MG/KG	10.0U
BARIUM	MG/KG	.50U
BERYLLIUM	MG/KG	.50U
CADMIUM	MG/KG	.50U
COBALT	MG/KG	1.5
CHROMIUM	MG/KG	1.0U
COPPER	MG/KG	810.0
IRON	MG/KG	5.0U
MANGANESE	MG/KG	.50U
MOLYBDENUM	MG/KG	1.0U
NICKEL	MG/KG	320.0
LEAD	MG/KG	1.0U
ANTIMONY	MG/KG	1.0U
SELENIUM	MG/KG	10.0U
TITANIUM	MG/KG	N/A
THALLIUM	MG/KG	30.0U
VANADIUM	MG/KG	1.0U
ZINC	MG/KG	2.0U
CALCIUM	MG/KG	200.0U
MAGNESIUM	MG/KG	200.0U
SODIUM	MG/KG	41000.0
POTASSIUM	MG/KG	200.0U